

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	12748	(communication transmit) near (data information signal) and controller and library	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 11:52
S2	864	S1 and robot	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 10:50
S3	4170	(robot robotic) near mechanism	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 10:50
S4	92	S3 and S1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 10:50
S5	75146	(communication transmit) near (data information signal) and controller and protocol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 12:05
S6	165	robot same library same protocol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 12:07
S7	523	robot same (communication transfer) same protocol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 13:59
S8	4170	(robot robotic) near mechanism	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 13:59
S9	0	robot same (communication transfer) same protocols7 and S8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 13:59
S10	523	robot same (communication transfer) same protocol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 13:59
S11	99	S10 and S8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 15:26

## EAST Search History

S12	87	robotic adj library	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:29
S13	160756	communication with protocol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/18 11:21
S14	88	robotic adj library	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 13:32
S15	3	S13 and S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 13:32
S16	4756	preamble and signal and field and packet and address	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:19
S17	160756	communication with protocol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:19
S18	2472	S16 and S17	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:19
S19	28	S18 and robot	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:24
S20	1721	(700/245).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/15 15:26
S21	166	S20 and S17	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:27
S22	52	S21 and library	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:28
S23	1139	robot with library	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:28

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S24	11	S21 and S23	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:28
S25	88	robotic adj library	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:29
S26	76	control and S25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:29
S27	55	control and communication and S25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:36
S28	1336	S18 and transmit adj data	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:37
S29	1333	S28 and control	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:37
S30	11	S29 and control with robot	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:37
S31	418	S29 and control with machine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:37
S32	0	S29 and control with automated adj library	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:38
S33	9	S29 and control with automate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/15 15:38
S34	30	("4017841"   "4229792"   "4319338"   "4404651"   "4413319"   "4628504"   "4663704"   "4667323"   "4677323"   "4718061"   "4747100"   "4750150"   "4780869"   "4809217"   "4897834"   "4918652"   "4930121"   "5142623"   "5153884").PN. OR ("5491531").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/15 15:51

## EAST Search History

S35	88	robotic adj library	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/18 09:01
S36	40	S35 and power	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/18 09:09
S37	3	((("6441991") or ("6457928") or ("6488462"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/18 09:09
S38	34	("4910619"   "5184261"   "5285335"   "5293284"   "5301076"   "5359476"   "5449229"   "5461518"   "5546315"   "5576911"   "5684654"   "5870245"   "5892750"   "6025972"   "6104693"   "6130800"   "6155766"   "6222699"   "6259579").PN. OR ("6441991").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/18 09:12
S39	1147	storage adj technology adj corporation	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/18 09:12
S40	1180	storage adj technology adj (corporation corp co)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/18 09:12
S41	287	S40 and signal and power	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/18 09:52
S42	20	S40 and signal and power and packet	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/18 09:53
S43	30	("4017841"   "4229792"   "4319338"   "4404651"   "4413319"   "4628504"   "4663704"   "4667323"   "4677323"   "4718061"   "4747100"   "4750150"   "4780869"   "4809217"   "4897834"   "4918652"   "4930121"   "5142623"   "5153884").PN. OR ("5491531").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/18 10:48
S44	65955	transmit same power same signal and (data information)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/18 11:18
S45	1138	S44 and robotic	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/18 11:19

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S46	2	S45 and robotic adj library	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/18 11:19
S47	21	asynchronous adj serial adj data adj signal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/18 11:21
S48	8337	(robotic automated) with library	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/18 11:48
S49	77803	communication adj protocol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/18 11:48
S50	9402	packet and preamble	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/18 11:48
S51	7	S48 and S49 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/18 12:45
S52	19	transmit with data same (robot robotic automated) near library	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/18 13:33
S53	1974	preamble same data adj packet	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/18 13:33
S54	203483	S53 and robotic library	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/18 13:34
S55	0	S53 and (robotic robot automate automatic) with library	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/18 13:34

# **EAST Search History**

*interference search*

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	3079	((414/277) or (700/245) or (700/246) or (700/248) or (700/249) or (700/251) or (700/253) or (318/567)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/18 14:05
L8	4061	(robotic automate automatic robot) with library	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/18 14:06
L9	118871	communication and packet and signal	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/18 14:08
L10	1704	communication adj protocol and packet and signal and preamble	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/18 14:07
L11	320694	(controller control) same computer same system	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/18 14:09
L13	151	l8 and l9 and l11	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/18 14:10
L14	3	l13 and l6	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/18 14:10